

WHAT IS CLAIMED IS:

1. An imaging apparatus, comprising:
 - a printhead carrier system including a printhead carrier configured for movement along a scan path;
 - a first sheet picking mechanism;
 - 5 a second sheet picking mechanism; and
 - a selector device configured to select one of said first sheet picking mechanism and said second sheet picking mechanism for picking a sheet of print media based on a position of said printhead carrier.
2. The imaging apparatus of claim 1, comprising:
 - a sheet pick drive shaft for transferring a motive force; and
 - a sheet pick drive unit coupled to said sheet pick drive shaft,
 - 5 said selector device including an engagement sleeve received over said sheet pick drive shaft for selectively coupling said motive force from said sheet pick drive shaft to one of said first sheet picking mechanism and said second sheet picking mechanism.
3. The imaging apparatus of claim 2, comprising a linkage, said linkage being coupled to said engagement sleeve, said printhead carrier engaging said linkage to effect a translation of said engagement sleeve along an axis of said sheet pick drive shaft.
4. The imaging apparatus of claim 2, comprising an assembly for biasing said engagement sleeve into engagement with one of said first sheet picking mechanism and said second sheet picking mechanism to define one of said first sheet picking mechanism and said second sheet picking mechanism as a default sheet picking
5 mechanism.
5. The imaging apparatus of claim 1, said first sheet picking mechanism including:
 - a first pick roller;

5 a first pick roller gear coupled to said first pick roller;
a first drive gear for transferring a motive force; and
at least one intermediate gear for transferring said motive force of said first
drive gear to said first pick roller gear.

6. The imaging apparatus of claim 1, said second sheet picking mechanism
including:

5 a second pick roller;
a second pick roller gear coupled to said second pick roller;
a second drive gear for transferring a motive force; and
at least one intermediate gear for transferring said motive force of said second
drive gear to said second pick roller gear.

7. The imaging apparatus of claim 1, comprising:

a drive shaft having a first section, a second section, and a third section located
between said first section and said second section, said third section including a
spline;

5 said first sheet picking mechanism including a first drive gear rotatably
coupled to said first section of said drive shaft, said first drive gear including a first
driven member;

said second sheet picking mechanism including a second drive gear rotatably
coupled to said second section of said drive shaft, said second drive gear including a
10 second driven member;

an engagement sleeve including a bore having a spline channel, said spline
channel being configured to slidably receive said spline of said third section of said
drive shaft, said engagement sleeve having a first end, a second end and an
intermediate portion located between said first end and said second end, said first end
15 having a first drive member for selectably engaging said first driven member of said
first drive gear, said second end having a second drive member for selectably
engaging said second driven member of said second drive gear; and

a selector linkage coupled to said engagement sleeve, said selector linkage
being configured to slide said engagement sleeve along an axis of said drive shaft to
20 selectively position said engagement sleeve in engagement with one of said first

driven member of said first drive gear and said second driven member of said second drive gear.

8. The imaging apparatus of claim 7, wherein each of said first driven member and said second driven member include a side surface having a plurality of teeth.

9. The imaging apparatus of claim 8, wherein each of said first drive member and said second drive member of said engagement sleeve include a plurality of teeth configured to be complementary to said plurality of teeth of said first driven member and said second driven member, respectively.

10. The imaging apparatus of claim 7, said selector linkage being a pivot linkage.

11. A sheet picking device for an imaging apparatus, comprising:

a first sheet picking mechanism;

a second sheet picking mechanism;

5 a drive shaft having a first section, a second section, and a third section located between said first section and said second section, said third section including a spline;

said first sheet picking mechanism including a first drive gear rotatably coupled to said first section of said drive shaft, said first drive gear including a first driven member;

10 said second sheet picking mechanism including a second drive gear rotatably coupled to said second section of said drive shaft, said second drive gear including a second driven member;

15 an engagement sleeve including a bore for receiving said drive shaft, said bore having a spline channel, said spline channel being configured to slidably receive said spline of said third section of said drive shaft, said engagement sleeve having a first end, a second end and an intermediate portion located between said first end and said second end, said first end having a first drive member for selectably engaging said first driven member of said first drive gear, said second end having a second drive

member for selectably engaging said second driven member of said second drive gear;
20 and

a selector linkage coupled to said engagement sleeve, said selector linkage
being configured to slide said engagement sleeve along an axis of said drive shaft to
selectively position said engagement sleeve in engagement with one of said first
driven member of said first drive gear and said second driven member of said second
25 drive gear.

12. The sheet picking device of claim 11, wherein each of said first driven
member and said second driven member include a side surface having a plurality of
teeth.

13. The sheet picking device of claim 12, wherein each of said first drive
member and said second drive member of said engagement sleeve include a plurality
of teeth configured to be complementary to said plurality of teeth of said first driven
member and said second driven member, respectively.

14. The sheet picking device of claim 11, said selector linkage being a pivot
linkage.

15. The sheet picking device of claim 11, comprising an assembly for biasing
said engagement sleeve into engagement with one of said first drive member of said
first sheet picking mechanism and said second drive member of said second sheet
picking mechanism so as to define one of said first sheet picking mechanism and said
5 second sheet picking mechanism as a default sheet picking mechanism.

16. The sheet picking device of claim 11, said first sheet picking mechanism
further including:

a first pick roller;

a first pick roller gear coupled to said first pick roller; and

5 at least one intermediate gear for transferring a motive force from said first
drive gear to said first pick roller gear.

17. The sheet picking device of claim 11, said second sheet picking mechanism further including:

a second pick roller;

a second pick roller gear coupled to said second pick roller; and

5 at least one intermediate gear for transferring a motive force from said second drive gear to said second pick roller gear.